

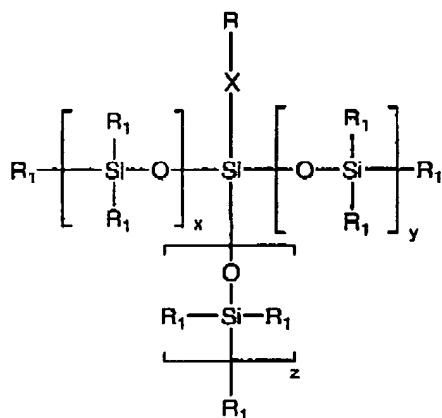
Serial No. 10/003,635

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application

LISTING OF THE CLAIMS**Claims 1-6 (canceled)**

Claim 7 (currently amended): A polymeric composition produced through the polymerization of one or more siloxysilane monomers comprising:



wherein R is a polymerizable group; X is selected from the group consisting of C₁₋₁₀ alkylene, C₁₋₁₀ alkyleneoxy, C₆₋₃₆ arylene and C₆₋₃₆ aryleneoxy; the R₁ groups are the same or different and are selected from the group consisting of C₆₋₃₆ aryl ether and C₁₋₁₀ alkyl ether; x, y, and z are the same or different non-negative integer less than 101 integers such that 1 ≤ x, y, z < 101; and said polymeric composition having a modulus approximately 4333 g/mm² or less.

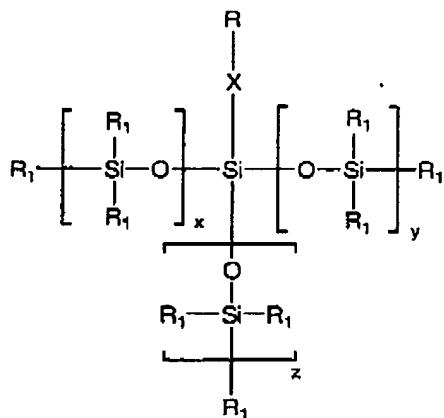
Claim 8 (previously presented): A polymeric composition produced through a copolymerization of one or more monomers of claim 7 with one or more aromatic or non-aromatic non-siloxy-based monomers.

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Claim 9 (previously presented): A polymeric composition produced through a copolymerization of one or more monomers of claim 7 with one or more hydrophobic monomers.

Claim 10 (previously presented): A polymeric composition produced through a copolymerization of one or more monomers of claim 7 with one or more hydrophilic monomers.

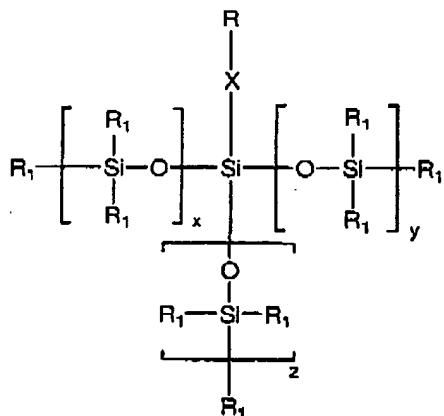
Claim 11 (currently amended): A polymeric composition produced through a copolymerization of one or more siloxysilane monomers with one or more aromatic or non-aromatic non-siloxy-based monomers, said one or more siloxysilane comprising:



wherein R is a polymerizable group; X is selected from the group consisting of C₁₋₁₀ alkylene, C₁₋₁₀ alkyleneoxy, C₆₋₃₆ arylene and C₆₋₃₆ aryleneoxy; the R₁ groups are the same or different and are selected from the group consisting of C₆₋₃₆ aryl ether and C₁₋₁₀ alkyl ether; x, y, and z are the same or different ~~non-negative integer less than 101~~ integers such that 1 ≤ x, y, z < 101; and said polymeric composition having a modulus approximately 4333 g/mm² or less; wherein said one or more aromatic or non-aromatic non-siloxy-based monomers are selected from the group consisting of 2-phenyloxyethyl methacrylate, 3,3-diphenylpropyl methacrylate, glyceryl methacrylate, 3-phenylpropyl acrylate, N,N-dimethylacrylamide, methyl methacrylate, 2-(1-naphthylethyl methacrylate) and 2-(2-naphthylethyl methacrylate).

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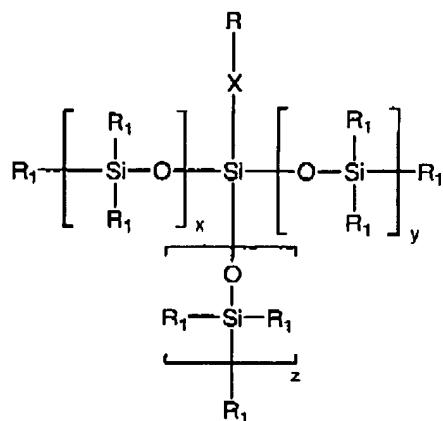
Claim 12 (previously presented): A polymeric composition produced through a copolymerization of one or more siloxysilane monomers with one or more hydrophobic monomers, said one or more siloxysilane comprising:



wherein R is a polymerizable group; X is selected from the group consisting of C₁₋₁₀ alkylene, C₁₋₁₀ alkyleneoxy, C₆₋₃₈ arylene and C₆₋₃₆ aryleneoxy; the R₁ groups are the same or different and are selected from the group consisting of C₆₋₃₈ aryl ether and C₁₋₁₀ alkyl ether; x, y, and z are the same or different non-negative integer less than 101; and said polymeric composition having a modulus approximately 4333 g/mm² or less; wherein said one or more hydrophobic monomers are selected from the group consisting of 2-ethylhexyl methacrylate, 3-methacryloyloxypropyldiphenylmethylsilane and 2-phenoxyethyl methacrylate.

Claim 13 (previously presented): A polymeric composition produced through a copolymerization of one or more siloxysilane monomers with one or more hydrophilic monomers, said one or more siloxysilane comprising:

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wherein R is a polymerizable group; X is selected from the group consisting of C₁₋₁₀ alkylene, C₁₋₁₀ alkyleneoxy, C₆₋₃₆ arylene and C₆₋₃₆ aryleneoxy; the R₁ groups are the same or different and are selected from the group consisting of C₆₋₃₆ aryl ether and C₁₋₁₀ alkyl ether; x, y, and z are the same or different non-negative integer less than 101; and said polymeric composition having a modulus approximately 4333 g/mm² or less; wherein said one or more hydrophilic monomers are selected from the group consisting of N,N-dimethylacrylamide and N-methylacrylamide.

Claims 14-18 (canceled)

Claim 19 (previously presented): A polymeric composition produced through the copolymerization of one or more monomers of claim 7 with one or more aromatic or non-aromatic non-siloxy-based monomers and one or more strengthening agents.

Claim 20 (previously presented): A polymeric composition produced through the copolymerization of one or more monomers of claim 7 with one or more hydrophobic monomers and one or more strengthening agents.

Claim 21 (previously presented): A polymeric composition produced through the copolymerization of one or more monomers of claim 7 with one or more hydrophilic monomers and one or more strengthening agents.

Claim 22 (previously presented): A polymeric composition produced through the polymerization of one or more monomers of claim 7 with one or more strengthening agents.

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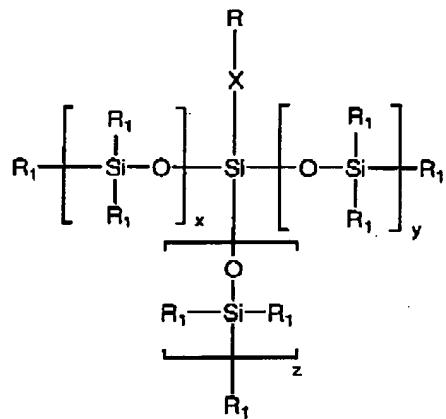
Claim 23 (previously presented): A polymeric composition produced through the copolymerization of one or more monomers of claim 7 with one or more aromatic or non-aromatic non-siloxane-based monomers and one or more crosslinking agents.

Claim 24 (previously presented): A polymeric composition produced through the copolymerization of one or more monomers of claim 7 with one or more hydrophobic monomers and one or more crosslinking agents.

Claim 25 (previously presented): A polymeric composition produced through the copolymerization of one or more monomers of claim 7 with one or more hydrophilic monomers and one or more crosslinking agents.

Claim 26 (previously presented): A polymeric composition produced through the polymerization of one or more monomers of claim 7 with one or more crosslinking agents.

Claim 27 (previously presented): A polymeric composition produced through a copolymerization of one or more siloxane monomers with one or more additional monomers and one or more strengthening agents; said one or more additional monomers being selected from the group consisting of aromatic or non-aromatic non-siloxane-based monomers, hydrophobic monomers, and hydrophilic monomers; said one or more siloxane monomers comprising:

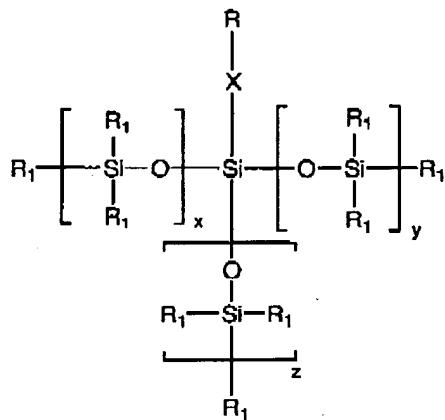


wherein R is a polymerizable group; X is selected from the group consisting of C₁₋₁₀ alkylene, C₁₋₁₀ alkyleneoxy, C₆₋₃₆ arylene and C₆₋₃₆ aryleneoxy; the R₁ groups are the same or

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different and are selected from the group consisting of C₆₋₃₆ aryl ether and C₁₋₁₀ alkyl ether; x, y, and z are the same or different non-negative integer less than 101; and said polymeric composition having a modulus approximately 4333 g/mm² or less; wherein said one or more strengthening agents are selected from the group consisting of cycloalkyl acrylates and cycloalkyl methacrylates.

Claim 28 (previously presented): A polymeric composition produced through a copolymerization of one or more siloxysilane monomers with one or more additional monomers and one or more cross crosslinking agents; said one or more additional monomers being selected from the group consisting of aromatic or non-aromatic non-siloxy-based monomers, hydrophobic monomers, and hydrophilic monomers; said one or more siloxysilane monomers comprising:



wherein R is a polymerizable group; X is selected from the group consisting of C₁₋₁₀ alkylene, C₁₋₁₀ alkyleneoxy, C₆₋₃₆ arylene and C₆₋₃₆ aryleneoxy; the R₁ groups are the same or different and are selected from the group consisting of C₆₋₃₆ aryl ether and C₁₋₁₀ alkyl ether; x, y, and z are the same or different non-negative integer less than 101; and said polymeric composition having a modulus approximately 4333 g/mm² or less; wherein said one or more crosslinking agents are selected from the group consisting of diacrylates and dimethacrylates of triethylene glycol, butylene glycol, neopentyl glycol, ethylene glycol, hexane-1,6-diol and thio-diethylene glycol, trimethylolpropane triacrylate, N,N'-dihydroxyethylene bisacrylamide, diallyl phthalate, triallyl cyanurate, divinylbenzene; ethylene glycol divinyl ether, N,N'-methylene-bis-(meth)acrylamide, sulfonated divinylbenzene and divinylsulfone.